	Application No.	Applicant(s)
Notice of Allowability	10/805,024	OH, JONG-HOON
	Examiner	Art Unit
	Huan Hoang	2827
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-23</u> .		
3. The drawings filed on 18 March 2004 are accepted by the E	xaminer.	
4.		
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 031804  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 3), 7. ☐ Examiner's Amendr	te

## **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance:

Claims 1-23 recite a semiconductor memory receiving an external address including an array address and a row address and a method of operating a random access memory device including N memory arrays.

The prior art does not teach or suggest the following:

"a redundancy block providing a match signal having an active state when the external address matches one of a plurality of defective addresses, providing a redundant row address when the match signal has the active state, and providing a redirected array address comprising a redundant array address when the match signal has the active state and otherwise comprising the external array address; and

N local row control blocks, each associated with a different one of the N memory arrays, wherein the local row control block associated with the memory array whose array address matches the redirected array address opens a redundant row of memory cells for access based on the redundant row address when the match signal has the active state and otherwise opens a normal row of memory cells for access based on the external row address."

"N local control blocks, each associated with a different one of the N arrays, wherein the local control block associated with the array whose address matches the external array address is configured to provide to the array a series of access signals associated with row operation, wherein the access signals are based on the timing signals, the array address, and the row address."

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Therefore, the application is in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan Hoang whose telephone number is (571) 272-1779. The examiner can normally be reached on Mon-Fri 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai Ho can be reached on (571) 272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Huan Hoang

Primary Examiner

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HH 6/23/05.